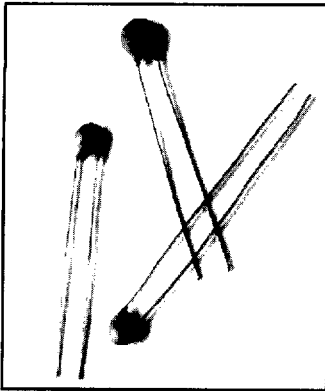


EIA Class 1 Temperature Compensating Disc Ceramic Capacitors

MALLORY



- Temperature Compensating
- Ideal For Use in Timing and Oscillating Circuits
- Conformally Coated
- Radial Leads

GENERAL SPECIFICATIONS

Temperature Range:
-55°C to +125°C

Voltage Range:
50, 500,
1,000, 2,000, 3,000 WVDC

Capacitance Range:
1 pF to 470 pF

Lead Length: 1 inch minimum

Insulation Resistance:
10,000 megohms (min.)

Power Factor @ 1 MHz:
5% Max

Breakdown Voltage:
3 x rated
(5 seconds Max)

Capacity pF	Tol	Temp Coef	Size (Inches)				Size (Millimeters)				Catalog Number
			D	T	S	d	D	T	S	d	
50 WVDC											
1	.25PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC010C
1.5	.25PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC1R5C
2	.25PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC020C
2	.25PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES020C
3	.25PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC030C
3	.25PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES030C
4	.25PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC040C
4	.25PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC040C
5	.25PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC050C
5	.25PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES050C
6	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC060D
6	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES060D
7	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC070D
7	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES070D
8	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC080D
8	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES080D
9	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC090D
9	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES090D
10	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC100J
10	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES100D
10	.5PF	N750	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEU100D
11	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC110J
11	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES110J
12	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC120J
12	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES120J
13	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC130J
13	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES130J
15	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC150J
15	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES150J
16	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC160J
16	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES160J
18	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC180J
18	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES180J
20	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC200J
20	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES200J
22	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC220J
22	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES220J
22	.5PF	N750	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEU220J
24	.5PF	NPO	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC240J
24	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CES240J
27	.5PF	NPO	.197	.118	.098	.015	5.0	3.0	2.5	.4	CEC270J
27	.5PF	N330	.157	.118	.098	.015	4.0	3.0	2.5	.4	CEC270J
30	.5PF	NPO	.197	.118	.098	.015	5.0	3.0	2.5	.4	CEC300J
30	.5PF	N330	.197	.118	.098	.015	5.0	3.0	2.5	.4	CES300J
33	.5PF	NPO	.197	.118	.098	.015	5.0	3.0	2.5	.4	CEC330J
33	.5PF	N330	.197	.118	.098	.015	5.0	3.0	2.5	.4	CES330J
36	.5PF	NPO	.197	.118	.197	.020	5.0	3.0	5.0	.5	CEC360J
36	.5PF	N330	.197	.118	.098	.015	5.0	3.0	2.5	.4	CES360J
39	.5PF	NPO	.197	.118	.197	.020	5.0	3.0	5.0	.5	CEC390J
39	.5PF	N330	.197	.118	.098	.015	5.0	3.0	2.5	.4	CES390J
43	.5PF	NPO	.236	.118	.197	.020	6.0	3.0	5.0	.5	CEC430J
43	.5PF	N330	.197	.118	.197	.020	5.0	3.0	5.0	.5	CES430J
47	.5PF	NPO	.236	.118	.197	.020	6.0	3.0	5.0	.5	CEC470J
47	.5PF	N330	.197	.118	.197	.020	5.0	3.0	5.0	.5	CES470J

Capacity pF	Tol	Temp Coef	Size (Inches)				Size (Millimeters)				Catalog Number
			D	T	S	d	D	T	S	d	
50 WVDC											
51	5%	NPO	.236	.118	.197	.020	6.0	3.0	5.0	.5	CEC510J
51	5%	N330	.236	.118	.197	.020	6.0	3.0	5.0	.5	CES510J
51	5%	N750	.197	.118	.098	.015	5.0	3.0	2.5	.4	CEU510J
56	5%	NPO	.236	.118	.197	.020	6.0	3.0	5.0	.5	CEC560J
56	5%	N330	.236	.118	.197	.020	6.0	3.0	5.0	.5	CES560J
62	5%	NPO	.276	.118	.197	.020	7.0	3.0	5.0	.5	CEC620J
62	5%	N330	.236	.118	.197	.020	6.0	3.0	5.0	.5	CES620J
68	5%	NPO	.276	.118	.197	.020	7.0	3.0	5.0	.5	CEC680J
68	5%	N330	.236	.118	.197	.020	6.0	3.0	5.0	.5	CES680J
68	5%	N750	.197	.118	.197	.020	5.0	3.0	5.0	.5	CEU680J
75	5%	NPO	.276	.118	.197	.020	7.0	3.0	5.0	.5	CEC750J
75	5%	N330	.276	.118	.197	.020	7.0	3.0	5.0	.5	CES750J
82	5%	NPO	.276	.118	.197	.020	7.0	3.0	5.0	.5	CEC820J
82	5%	N330	.276	.118	.197	.020	7.0	3.0	5.0	.5	CES820J
91	5%	NPO	.315	.118	.197	.020	8.0	3.0	5.0	.5	CEC910J
91	5%	N330	.276	.118	.197	.020	7.0	3.0	5.0	.5	CES910J
100	5%	NPO	.315	.118	.197	.020	8.0	3.0	5.0	.5	CEC101J
100	5%	N330	.276	.118	.197	.020	7.0	3.0	5.0	.5	CES101J
100	5%	N750	.236	.118	.197	.020	6.0	3.0	5.0	.5	CEU101J
110	5%	NPO	.315	.118	.197	.020	8.0	3.0	5.0	.5	CEC111J
110	5%	N330	.315	.118	.197	.020	8.0	3.0	5.0	.5	CES111J
120	5%	NPO	.315	.118	.197	.020	8.0	3.0	5.0	.5	CEC121J
120	5%	N330	.315	.118	.197	.020	8.0	3.0	5.0	.5	CES121J
120	5%	N750	.236	.118	.197	.020	6.0	3.0	5.0	.5	CEU121J
130	5%	NPO	.354	.118	.197	.020	9.0	3.0	5.0	.5	CEC131J
130	5%	N330	.315	.118	.197	.020	8.0	3.0	5.0	.5	CES131J
150	5%	NPO	.354	.118	.197	.020	9.0	3.0	5.0	.5	CEC151J
150	5%	N330	.315	.118	.197	.020	8.0	3.0	5.0	.5	CES151J
160	5%	NPO	.354	.118	.197	.020	9.0	3.0	5.0	.5	CEC161J
160	5%	N330	.354	.118	.197	.020	9.0	3.0	5.0	.5	CES161J
180	5%	NPO	.374	.118	.197	.020	9.5	3.0	5.0	.5	CEC181J
180	5%	N330	.354	.118	.197	.020	9.0	3.0	5.0	.5	CES181J
200	5%	NPO	.414	.118	.197	.020	10.5	3.0	5.0	.5	CEC201J
200	5%	N330	.374	.118	.197	.020	9.5	3.0	5.0	.5	CES201J
220	5%	NPO	.413	.118	.197	.020	10.5	3.0	5.0	.5	CEC221J
220	5%	N330	.374	.118	.197	.020	9.5	3.0	5.0	.5	CES221J
220	5%	N750	.315	.118	.197	.020	8.0	3.0	5.0	.5	CEU221J
240	5%	NPO	.472	.118	.197	.020	12.0	3.0	5.0	.5	CEC241J
240	5%	N330	.413	.118	.197	.020	10.5	3.0	5.0	.5	CES241J
270	5%	NPO	.472	.118	.197	.020	12.0	3.0	5.0	.5	CEC271J
270	5%	N330	.413	.118	.197	.020	10.5	3.0	5.0	.5	CES271J
270	5%	N750	.374	.118	.197	.020	9.5	3.0	5.0	.5	CEU271J
300	5%	NPO	.472	.118	.197	.020	12.0	3.0	5.0	.5	CEC301J
300	5%	N330	.472	.118	.197	.020	12.0	3.0	5.0	.5	CES301J
300	5%	N750	.354	.118	.197	.020	9.0	3.0	5.0	.5	CEU301J
330	5%	N330	.472	.118	.197	.020	12.0	3.0	5.0	.5	CES331J
330	5%	N750	.354	.118	.197	.020	9.0	3.0	5.0	.5	CEU331J
360	5%	N330	.472	.118	.197	.020	12.0	3.0	5.0	.5	CES361J
390	5%	N330	.472	.118	.197	.020	12.0	3.0	5.0	.5	CES391J
390	5%	N750	.413	.118	.197	.020	10.5	3.0	5.0	.5	CEU391J
470	5%	N750	.413	.118	.197	.020	10.5	3.0	5.0	.5	CEU471J

EIA Class 1 Temperature Compensating Disc Ceramic Capacitors

MALLORY

Capacity pF	Tol	Temp Coef	Size (Inches)				Size (Millimeters)				Catalog Number
			D	T	S	d	D	T	S	d	
2000 WVDC											
1	.25pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC010C
1.5	.25pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC1R5C
2	.25pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC020C
3	.25pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC030C
4	.25pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC040C
5	.25pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC050C
6	.5pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC060D
7	.5pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC070D
9	.5pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC090D
10	.5pF	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC100D
11	5%	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC110J
12	5%	NPO	.315	.197	.252	.032	8.0	5.0	6.4	.8	CRC120J
13	5%	NPO	.394	.197	.252	.032	10.0	5.0	6.4	.8	CRC130J
15	5%	NPO	.394	.197	.252	.032	10.0	5.0	6.4	.8	CRC150J
16	5%	NPO	.394	.197	.252	.032	10.0	5.0	6.4	.8	CRC160J
20	5%	NPO	.394	.197	.252	.032	10.0	5.0	6.4	.8	CRC200J
22	5%	NPO	.394	.197	.252	.032	10.0	5.0	6.4	.8	CRC220J
24	5%	NPO	.394	.197	.252	.032	10.0	5.0	6.4	.8	CRC240J
27	5%	NPO	.472	.197	.252	.032	12.0	5.0	6.4	.8	CRC270J
30	5%	NPO	.472	.197	.252	.032	12.0	5.0	6.4	.8	CRC300J
33	5%	NPO	.472	.197	.252	.032	12.0	5.0	6.4	.8	CRC330J
36	5%	NPO	.472	.197	.252	.032	12.0	5.0	6.4	.8	CRC360J
39	5%	NPO	.591	.197	.374	.032	15.0	5.0	9.5	.8	CRC390J
43	5%	NPO	.591	.197	.374	.032	15.0	5.0	9.5	.8	CRC430J
47	5%	NPO	.591	.197	.374	.032	15.0	5.0	9.5	.8	CRC470J
51	5%	NPO	.591	.197	.374	.032	15.0	5.0	9.5	.8	CRC510J
56	5%	NPO	.591	.197	.374	.032	15.0	5.0	9.5	.8	CRC560J
62	5%	NPO	.591	.197	.374	.032	15.0	5.0	9.5	.8	CRC620J
68	5%	NPO	.591	.197	.374	.032	15.0	5.0	9.5	.8	CRC680J
75	5%	NPO	.787	.197	.374	.032	20.0	5.0	9.5	.8	CRC750J
82	5%	NPO	.787	.197	.374	.032	20.0	5.0	9.5	.8	CRC820J
91	5%	NPO	.787	.197	.374	.032	20.0	5.0	9.5	.8	CRC910J
100	5%	NPO	.787	.197	.374	.032	20.0	5.0	9.5	.8	CRC101J
110	5%	NPO	.787	.197	.374	.032	20.0	5.0	9.5	.8	CRC111J
120	5%	NPO	.787	.197	.374	.032	20.0	5.0	9.5	.8	CRC121J
130	5%	NPO	.787	.197	.374	.032	20.0	5.0	9.5	.8	CRC131J

Capacity pF	Tol	Temp Coef	Size (Inches)				Size (Millimeters)				Catalog Number
			D	T	S	d	D	T	S	d	
3000 WVDC											
1	.25pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ010C
1.5	.25pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ1R5C
2	.25pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ020C
3	.25pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ030C
4	.25pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ040C
5	.25pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ050C
6	.5pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ060D
7	.5pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ070D
9	.5pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ090D
10	.5pF	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ100D
11	5%	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ110J
12	5%	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ120J
13	5%	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ130J
15	5%	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ150J
16	5%	NPO	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ160J
18	5%	NPO	.472	.236	.374	.032	12.0	6.0	9.5	.8	CTZ180J
20	5%	NPO	.472	.236	.374	.032	12.0	6.0	9.5	.8	CTZ200J
22	5%	NPO	.472	.236	.374	.032	12.0	6.0	9.5	.8	CTZ220J
22	10%	SL	.394	.236	.374	.032	10.0	6.0	9.5	.8	CTZ220K
24	5%	NPO	.472	.236	.374	.032	12.0	6.0	9.5	.8	CTZ240J
27	5%	NPO	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ270J
30	5%	NPO	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ300J
33	5%	NPO	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ330J
36	5%	NPO	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ360J
39	5%	NPO	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ390J
43	5%	NPO	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ430J
47	5%	NPO	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ470J
51	5%	NPO	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ510J
56	5%	NPO	.787	.236	.374	.032	20.0	6.0	9.5	.8	CTZ560J
62	5%	NPO	.787	.236	.374	.032	20.0	6.0	9.5	.8	CTZ620J
68	5%	NPO	.787	.236	.374	.032	20.0	6.0	9.5	.8	CTZ680J
75	5%	NPO	.787	.236	.374	.032	20.0	6.0	9.5	.8	CTZ750J
82	5%	NPO	.787	.236	.374	.032	20.0	6.0	9.5	.8	CTZ820J
91	5%	NPO	.787	.236	.374	.032	20.0	6.0	9.5	.8	CTZ910J
100	10%	SL	.591	.236	.374	.032	15.0	6.0	9.5	.8	CTZ101K